

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
27 January 2005 (27.01.2005)

PCT

(10) International Publication Number  
**WO 2005/007796 A2**

(51) International Patent Classification<sup>7</sup>:

C12M

(IL). DEUTSCH, Assaf [IL/IL]; 12 Moshav Tzofaria, 60 932 Moshav Tzofaria (IL).

(21) International Application Number:

PCT/IL2004/000661

(74) Agent: G.E. EHRLICH (1995) LTD.; 11 Menachem Begin Street, 52 521 Ramat Gan (IL).

(22) International Filing Date: 20 July 2004 (20.07.2004)

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, IIR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

60/488,408	21 July 2003 (21.07.2003)	US
60/488,409	21 July 2003 (21.07.2003)	US
60/517,073	5 November 2003 (05.11.2003)	US
60/517,084	5 November 2003 (05.11.2003)	US
60/544,356	17 February 2004 (17.02.2004)	US
60/544,357	17 February 2004 (17.02.2004)	US
PCT/IL04/000571	27 June 2004 (27.06.2004)	IL

(71) Applicant (for all designated States except US): MOLECULAR CYTOMICS LTD. [CY/CY]; P.O. Box 21255, 1505 Nicosia (CY).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DEUTSCH, Mordechai [IL/IL]; 73 Moshav Olesh, 42 855 Doar Na Lev-HaSharon (IL). HERZBERG, Max [IL/IL]; Moshav Sitria, P. O. Box 7, 76 834 Emeq Soreq (IL). TIROSH, Reuven [IL/IL]; 20 Ben Gurion Street, 44257 Kfar Saba

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2005/007796 A2

(54) Title: IMPROVED MULTIWELL PLATE

(57) Abstract: A multiwell plate having a plurality of picowells on the bottom of the wells of the plate as well as methods of producing the multiwell plate are provided. Provided is also a method of handling living cells by providing an ordered array of living cells immobilized in a non-fluid matrix, contacting the living cells with a stimulus; and detecting a response to the stimulus. The present invention is also of a method of producing an ordered array of living cells.